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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/049,419	02/12/2002	Takanari Tominaga	1422-0514P	1153		
2292	7590 10/21/2005		EXAM	EXAMINER		
BIRCH STE PO BOX 747	WART KOLASCH &	MAIER, I	MAIER, LEIGH C			
	RCH, VA 22040-0747	ART UNIT	PAPER NUMBER			
	·	1623				

DATE MAILED: 10/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application N	lo.	Applicant(s)	<del> </del>				
		10/049,419		TOMINAGA ET AL.					
Office Action Summary		Examiner		Art Unit					
		Leigh C. Maie	-	1623					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SH WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REF CHEVER IS LONGER, FROM THE MAILING nsions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. operiod for reply is specified above, the maximum statutory perior to reply within the set or extended period for reply will, by state reply received by the Office later than three months after the material part of the provided by the Office stater than three months after the material part of the provided by the Office stater than three months after the material part of the provided by the Office stater than three months after the material part of the provided by the Office stater than three months after the material part of the provided by the Office stater than three months after the material part of the provided by the Office stater than the provisions of	DATE OF THIS 1.136(a). In no event, h iod will apply and will exp itute, cause the application	COMMUNICATION owever, may a reply be timing size of the size of th	l. ely filed the mailing date of this co ) (35 U.S.C. § 133).					
Status									
1)⊠ 2a)□ 3)□	Responsive to communication(s) filed on 22 This action is <b>FINAL</b> . 2b) T Since this application is in condition for allow closed in accordance with the practice under	his action is non- wance except for	formal matters, pro		e merits is				
Disposition of Claims									
5)□ 6)⊠ 7)□	4) Claim(s) 33,37,38 and 61-63 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) 33,37,38 and 61-63 is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.								
Applicati	ion Papers								
10)□	The specification is objected to by the Exam The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the	accepted or b) () on the drawing(s) be here to the discrepance of the	eld in abeyance. See the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CF					
Priority (	under 35 U.S.C. § 119								
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>									
2) Notice (3) Inform	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/or No(s)/Mail Date	4) [ 08) 5) [ 6) [	Interview Summary ( Paper No(s)/Mail Da Notice of Informal Pa Other:	te	D-152)				

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#### **DETAILED ACTION**

### Status of the Claims

Claim 33 has been amended. Claims 33, 37, 38, and 61-63 are pending. Any rejection or objection not specifically repeated has been withdrawn. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

#### Claim Rejections - 35 USC § 103

Claims 33, 37, 38 and 61-63 are again rejected under 35 U.S.C. 103(a) as being unpatentable over SAKAI et al (WO 96/34004) and LION CORP (JP 11-21247), as set forth in the previous Office action. Claim 33 has been amended to include what appear to be inherent properties of fucoidans. COLLIEC et al (US 5,321,133) and the MeSH entry for "fucoidan" (<a href="http://www.nlm.nih.gov/cgi/mesh/2005/MB\_cgi?field=uid&term=C007789">http://www.nlm.nih.gov/cgi/mesh/2005/MB\_cgi?field=uid&term=C007789</a>, accessed October 17, 2005) are used to support inherency.

Claim 33 has been amended so that the fucoidan used is selected from three types.

Applicant's arguments filed July 22, 2005 have been fully considered but they are not persuasive.

Applicant notes the amendment to claim 33 argues that LION does not disclose which kind of fucoidan substances show anti-allergic action. However, COLLIEC gives a general description of fucans (fucoidans, see MeSH entry). See col 2, lines 43-47. From this, it appears that by definition any polysaccharide termed a "fucoidan" must fall into one of the recited categories. Since the Office does not have the facilities for preparing the claimed materials and

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comparing them with prior art inventions, the burden is on Applicant to show that the products used in LION do not fall into one of these categories. See *In re Best*, 562 F.2d 1252, 195 USPQ 430 (CCPA 1977) and *In re Fitzgerald*, 619 F.2d 67, 205 USPQ 594 (CCPA 1980).

Claims 33, 38, and 61-63 are again rejected under 35 U.S.C. 103(a) as being unpatentable over SAKAI et al (WO 96/34004) and McCAFFREY et al (Biochem. Biophys. Res. Comm., 1992) in view of GRAINGER et al (US 6,117,911), as set forth in the previous Office action. Claim 33 has been amended to include what appear to be inherent properties of fucoidans. COLLIEC et al (US 5,321,133) and the MeSH entry for "fucoidan" (http://www.nlm.nih.gov/cgi/mesh/2005/MB\_cgi?field=uid&term=C007789, accessed October 17, 2005) are used to support inherency.

The claims have been amended as set forth above.

The references teach as set forth in the previous Office action. As with the discussion above, it would appear that the fucoidan taught by MCCAFFREY (or any fucoidan) would fall into one of the recited categories.

Applicant does not address this particular combination of references, and the rejection is maintained for reasons of record.

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## Examiner's hours, phone & fax numbers

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leigh Maier whose telephone number is (571) 272-0656. The examiner can normally be reached on Tuesday, Thursday, and Friday 7:00 to 3:30 (ET).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. James O. Wilson (571) 272-0661, may be contacted. The fax number for Group 1600, Art Unit 1623 is (703) 308-4556 or 305-3592.

Visit the U.S. PTO's site on the World Wide Web at http://www.uspto.gov. This site contains lots of valuable information including the latest PTO fees, downloadable forms, basic search capabilities and much more. Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished application is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a> Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

Leigh C. Maier

Primary Examiner

heigh C. Maier

October 17, 2005